

## Volume contents

### Volume 181 (1996)

Antigenotoxic activities of chitin and chitosan as assayed by sister chromatid exchange T. Ohe (Japan) .....	1
Genotoxic activity of 1-nitropyrene in water from the Yodo River, Japan T. Ohe, H. Nukaya (Japan) .....	7
The relationship between synoptic, mesoscale and microscale meteorological parameters during poor air quality events in Athens, Greece B.D. Katsoulis (Greece) .....	13
Accumulation of lead in tree trunk bark pockets as pollution time capsules K. Satake, A. Tanaka, K. Kimura (Japan) .....	25
Fertilised farmland as a source of cadmium in oysters C.A. Butler, M.H. Timperley (New Zealand) .....	31
Environmental vanadium distribution from an industrial settlement T. Soldi, C. Riolo, G. Alberti, M. Gallorini, G.F. Peloso (Italy) .....	45
Radionuclides around nuclear sites in England and Wales A.L. Sanchez, A.D. Horrill, D.L. Singleton, D.R.P. Leonard (UK) .....	51
Critical acid loads for different soils of the Mediterranean environment R.J. Ballesta, B.S. Cabrero, H. Sverdrup (Sweden) .....	65
Vanadium poisoning of cattle with basic slag. Concentrations in tissues from poisoned animals and from a reference, slaughter-house material A. Frank, A. Madej, V. Galgan, L.R. Petersson (Sweden) .....	73
Childhood lead poisoning in Africa: a growing public health problem J.O. Nriagu, M.L. Blankson, K. Ocran (USA) .....	93
Childhood lead poisoning in China X.-m. Shen, J.F. Rosen, D. Guo, S.-m. Wu (China, USA) .....	101
Partition of metallic and organochlorinated pollutants and monoorthosubstituted PCB pattern in the trophic web from different areas of the river Seine M.J. Teil, M. Blanchard, A.M. Carru, A. Chesterikoff, M. Chevreuil (France) .....	111
Organochlorine pesticide residues in adipose tissue of Mexicans S.M. Waliszewski, V.T.S. Pardío, J.N.P. Chantiri, R.M.R. Infanzón, J. Rivera (Mexico) .....	125
Organochlorine pesticide residues in bovine milk from León (Spain) A. Losada, N. Fernández, M.J. Diez, M.T. Terán, J.J. García, M. Sierra (Spain) .....	133
Distribution of elements in tissues of yellowtail flounder <i>Pleuronectes ferruginea</i> J. Hellou, V. Zitko, J. Friel, T. Alkanani (Canada) .....	137
Sequential extraction studies on homogenized forest soil samples J. Arunachalam, H. Emons, B. Krasnodebska, C. Mohl (India, Germany, Poland) .....	147
Determination of lead, zinc, potassium, calcium, copper and sodium in human cataract lenses N. Shukla, J.K. Moitra, R.C. Trivedi (India) .....	161
Soil organic matter composition of spodic horizons in Podzols of the Northwest German Lower Plain L. Beyer (Germany) .....	167

Influence of low doses of radiation due to $^{222}\text{Rn}$ on proliferation of fibroblasts and MCF-7 human breast cancer cells in vitro	
J. Soto, L.S. Quindós, S. Cos, E.J. Sánchez-Barceló (Spain) .....	181
Cellular alterations in collembolan midgut cells as a marker of heavy metal exposure: ultrastructure and intracellular metal distribution	
M. Pawert, R. Triebkorn, S. Gräff, M. Berkus, J. Schulz, H.-R. Köhler (Germany) .....	187
Cadmium levels in wine, beer and other alcoholic beverages: possible sources of contamination	
C. Mena, C. Cabrera, M.L. Lorenzo, M.C. López (Spain) .....	201
Lead in drinking water from water coolers and in fingernails from subjects in Kuwait City, Kuwait	
A.-H. Bu-Olayan, S.N. Al-Yakoob, S. Alhazeem (Kuwait) .....	209
Trace elements in drinking water coolers collected from primary schools, Riyadh, Saudi Arabia	
I.A. Al-Saleh (Saudi Arabia) .....	215
Non-orebody sources are significant contributors to blood lead of some children with low to moderate lead exposure in a major lead mining community	
B.L. Gulson, K.J. Mizon, M.J. Korsch, D. Howarth (Australia) .....	223
Forms of Mn in soils affected by a forest fire	
J. Gonzalez Parra, V. Cala Rivero, T. Iglesias Lopez (Spain) .....	231
$^{137}\text{Cs}$ -migration in soils and its transfer to roe deer in an Austrian forest stand	
F. Strebl, M.H. Gerzabek, V. Karg, F. Tataruch (Austria) .....	237
The ratio of long-lived to short-lived radon-222 progeny concentrations in ground-level air	
H. Hötzel, R. Winkler (Germany) .....	249
Zinc inputs to coastal waters from sacrificial anodes	
P. Bird, S.D.W. Comber, M.J. Gardner, J.E. Ravenscroft (UK) .....	257
Composition and distribution of polycyclic aromatic hydrocarbon contamination in surficial marine sediments from Kitimat Harbor, Canada	
C.D. Simpson, A.A. Mosi, W.R. Cullen, K.J. Reimer (Canada) .....	265
Author index .....	279
Subject index .....	281
Volume contents .....	285

